Table 3-31
Final Rankings of Potential Borrow Sources

	Environmental & Community Impacts					Costs					
Borrow Source Alternative	**Environmental Impacts At Beach**	**Impacts to Community & Upland Areas**	**Impacts at Borrow Site**	**Total Duration of Construction**	**Volume of Material Required**	**Material Cost**	**Engineering Cost**	**Monitoring, Mitigation & Other Incidental Costs**	**Total Cost**	**Project Mitigation/Monitoring**	**Overall Ranking**
Upland Source Alternatives											
Upland Source; Hopper Dredge; Pump Off to Beach	- Temporary impacts to fish and shellfish; - Turbidity	- Noise from pumping (1 mile away, for 230 workdays over 17-month construction period) - Noise of spreading material	None (upland borrow site)	Less Favorable (5 months)	500,000 cubic yards	$35 M	$0.15 M	$0.85 M	$36 M		low
Upland Source, Ocean Going Barge; Pump Off to Beach	- Temporary impacts to fish and shellfish; - Turbidity	- Noise from pumping (1/2 mile away, for 230 workdays over 17-month construction period) - Noise of spreading material	None (upland borrow site)	Less Favorable (6 months)	500,000 cubic yards	$29.5 M	$0.15 M	$0.85 M	$30.5 M		low
Off-Shore Source Alternative											
NOMES Site I; Hopper Dredge Pump Off to Beach	- Temporary impacts to fish and shellfish; - Turbidity	- Noise from pumping (1 mile away, 2-month construction period) - Noise of spreading material	Impact to 50 to 100 acres of ocean bottom habitat (2-3 years)	Favorable (2 Months)	500,000 cubic yards	$8.1 M	$0.2 M	$2.95 M to $3.35 M	$11.3 M to $11.7 M	- Post-construction monitoring of NOMES site recovery rate - Mitigation for $0.1 to $0.5 M estimated losses to commercial fisheries and shellfish resources	high